



(19)

(11) Publication number: **2001191051 A**

Generated Document.

PATENT ABSTRACTS OF JAPAN(21) Application number: **2000037214**(51) Intl. Cl.: **B09B 3/00 B29B 17/00 C08J 11/16**(22) Application date: **12.01.00**

(30) Priority: (43) Date of application publication: 17.07.01 (84) Designated contracting states:	(71) Applicant: YOSHIKAWA AKIRA (72) Inventor: YOSHIKAWA AKIRA (74) Representative:
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**(54) METHOD FOR
MANUFACTURING
DECHLORINATED WASTE
PLASTIC**

(57) Abstract:

PROBLEM TO BE SOLVED: To contribute to the recycling of waste plastic by removing chlorine from the waste plastic such as vinyl chloride with a simple process to produce plastic fuel, a blast furnace raw material or a calumative for making steel.

SOLUTION: Hydrogen chloride generated by the pyrolysis of the vinyl chloride is fixed as a metallic salt such as calcium chloride, magnesium chloride by pulverizing the waste plastics, adding and mixing a metal oxide or a metallic carbonate such as calcium oxide, magnesium oxide, calcium carbonate, magnesium carbonate in a quantity equal to or above, preferably 10 times the equivalent of contained chlorine and melding at 180-350°C. Generated hydrochloric acid is almost completely captured by the presence of the excess metal oxide, the metallic carbonate and the fear of the corrosion with hydrochloric acid in a succeeding process is eliminated and the waste gas is sufficiently treated with a simple system.

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